

and ability to position the motor vehicle correctly when changing lanes or turning.

(c) *Air brake skills.* Except as provided in § 393.95, all applicants shall demonstrate the following skills with respect to inspection and operation of air brakes:

(1) *Pre-trip inspection skills.* Applicants shall demonstrate the skills necessary to conduct a pre-trip inspection which includes the ability to:

(i) Locate and verbally identify air brake operating controls and monitoring devices;

(ii) Determine the motor vehicle's brake system condition for proper adjustments and that air system connections between motor vehicles have been properly made and secured;

(iii) Inspect the low pressure warning device(s) to ensure that they will activate in emergency situations;

(iv) Ascertain, with the engine running, that the system maintains an adequate supply of compressed air;

(v) Determine that required minimum air pressure build up time is within acceptable limits and that required alarms and emergency devices automatically deactivate at the proper pressure level; and

(vi) Operationally check the brake system for proper performance.

(2) *Driving skills.* Applicants shall successfully complete the skills tests contained in § 383.113 in a representative vehicle equipped with air brakes.

(d) *Test area.* Skills tests shall be conducted in on-street conditions or under a combination of on-street and off-street conditions.

(e) *Simulation technology.* A State may utilize simulators to perform skills testing, but under no circumstances as a substitute for the required testing in on-street conditions.

§ 383.115 Requirements for double/triple trailers endorsement.

In order to obtain a Double/Triple Trailers endorsement each applicant must have knowledge covering:

(a) Procedures for assembly and hookup of the units;

(b) Proper placement of heaviest trailer;

(c) Handling and stability characteristics including off-tracking, response

to steering, sensory feedback, braking, oscillatory sway, rollover in steady turns, yaw stability in steady turns; and

(d) Potential problems in traffic operations, including problems the motor vehicle creates for other motorists due to slower speeds on steep grades, longer passing times, possibility for blocking entry of other motor vehicles on free-ways, splash and spray impacts, aerodynamic buffeting, view blockages, and lateral placement.

§ 383.117 Requirements for passenger endorsement.

An applicant for the passenger endorsement must satisfy both of the following additional knowledge and skills test requirements.

(a) *Knowledge test.* All applicants for the passenger endorsement must have knowledge covering at least the following topics:

(1) Proper procedures for loading/unloading passengers;

(2) Proper use of emergency exits, including push-out windows;

(3) Proper responses to such emergency situations as fires and unruly passengers;

(4) Proper procedures at railroad crossings and drawbridges; and

(5) Proper braking procedures.

(b) *Skills test.* To obtain a passenger endorsement applicable to a specific vehicle group, an applicant must take his/her skills test in a passenger vehicle satisfying the requirements of that group as defined in § 383.91.

§ 383.119 Requirements for tank vehicle endorsement.

In order to obtain a Tank Vehicle Endorsement, each applicant must have knowledge covering the following:

(a) Causes, prevention, and effects of cargo surge on motor vehicle handling;

(b) Proper braking procedures for the motor vehicle when it is empty, full and partially full;

(c) Differences in handling of baffled/compartmental tank interiors versus non-baffled motor vehicles;

(d) Differences in tank vehicle type and construction;

(e) Differences in cargo surge for liquids of varying product densities;

§ 383.121

- (f) Effects of road grade and curvature on motor vehicle handling with filled, half-filled and empty tanks;
- (g) Proper use of emergency systems; and
- (h) For drivers of DOT specification tank vehicles, retest and marking requirements.

§ 383.121 Requirements for hazardous materials endorsement.

In order to obtain a Hazardous Material Endorsement each applicant must have such knowledge as is required of a driver of a hazardous materials laden vehicle, from information contained in 49 CFR parts 171, 172, 173, 177, 178, and 397 on the following:

(a) Hazardous materials regulations including:

- (1) Hazardous materials table;
- (2) Shipping paper requirements;
- (3) Marking;
- (4) Labeling;
- (5) Placarding requirements;
- (6) Hazardous materials packaging;
- (7) Hazardous materials definitions and preparation;
- (8) Other regulated material (e.g., ORM-D);
- (9) Reporting hazardous materials accidents; and
- (10) Tunnels and railroad crossings.

(b) Hazardous materials handling including:

- (1) Forbidden Materials and Packages;
- (2) Loading and Unloading Materials;
- (3) Cargo Segregation;
- (4) Passenger Carrying Buses and Hazardous Materials;
- (5) Attendance of Motor Vehicles;
- (6) Parking;
- (7) Routes;
- (8) Cargo Tanks; and
- (9) "Safe Havens."

(c) Operation of emergency equipment including:

- (1) Use of equipment to protect the public;
- (2) Special precautions for equipment to be used in fires;
- (3) Special precautions for use of emergency equipment when loading or unloading a hazardous materials laden motor vehicle; and
- (4) Use of emergency equipment for tank vehicles.

49 CFR Ch. III (10–1–10 Edition)

(d) Emergency response procedures including:

- (1) Special care and precautions for different types of accidents;
- (2) Special precautions for driving near a fire and carrying hazardous materials, and smoking and carrying hazardous materials;
- (3) Emergency procedures; and
- (4) Existence of special requirements for transporting Class A and B explosives.

§ 383.123 Requirements for a school bus endorsement.

(a) An applicant for a school bus endorsement must satisfy the following three requirements:

(1) Qualify for passenger vehicle endorsement. Pass the knowledge and skills test for obtaining a passenger vehicle endorsement.

(2) Knowledge test. Must have knowledge covering at least the following three topics:

(i) Loading and unloading children, including the safe operation of stop signal devices, external mirror systems, flashing lights and other warning and passenger safety devices required for school buses by State or Federal law or regulation.

(ii) Emergency exits and procedures for safely evacuating passengers in an emergency.

(iii) State and Federal laws and regulations related to safely traversing highway rail grade crossings.

(3) Skills test. Must take a driving skills test in a school bus of the same vehicle group (see § 383.91(a)) as the school bus applicant will drive.

(4) *Exception.* Knowledge and skills tests administered before September 30, 2002 and approved by FMCSA as meeting the requirements of this section, meet the requirements of paragraphs (a)(2) and (a)(3) of this section.

(b) *Substitute for driving skills test.* (1) At the discretion of a State, the driving skills test required in paragraph (a)(3) of this section may be waived for an applicant who is currently licensed, has experience driving a school bus, has a good driving record, and meets the conditions set forth in paragraph (b)(2) of this section.

(2) An applicant must certify and the State must verify that, during the two-